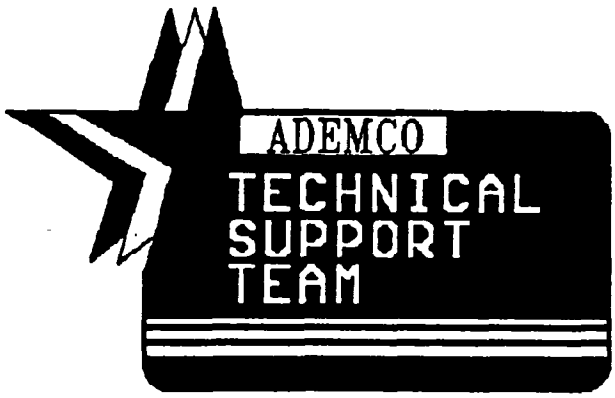


# DESCRIPTION OF
# CONTACT ID FORMAT

Includes: 4130XM
5130XM
4140XM
4140XMP

Chris Martin
Jan, 1992
Ademco Technical Support

**EXPLANATION:** Contact ID Reporting provides faster transmission speed and very specific event code reporting, resulting in faster, more confident alarm decision making by the central station, when compared to the other reporting formats available (Ademco Low Speed, Sescoa, Radionics, etc). This is the only format that can identify all 64 protection zones by their unique zone (Contact) ID numbers, and provides a 1-digit event qualifier and 3-digit, specifically defined event code with quickly identifies the condition being reported.

Contact ID Reporting takes the following format: **CCC Q EEE GG ZZZ** where:

**CCCC** = Customer (subscriber) number.
**Q** = Event qualifier, where?: **E** = New event and **R** = Restore
**EEE** = Event code (3 Hexadecimal digits), defined in the table below.
**GG** = Always 00
**ZZZ** = Zone/Contact ID number reporting the alarm (001-099), or user number (001-022 for open/close reports.) System status messages (AC Loss, Walk Test, etc.) Contain zeroes in the **ZZZ** location.

**TECHNICAL DATA:** Contact ID reports DTMF (Dual Tone Multi-Frequency @ 10 characters per second) and responds to 1400 Hz followed by 2300 Hz handshake, and a 1400 Hz kissoff. This format also uses checksum instead of two message verification. A complete report takes under 3 seconds.

**ADVISORY:** Ademco's new Contact ID reporting is capable of uniquely reporting all 64 zones of information, as well as opening and closing for all users, to central stations equipped with the Ademco 685 receiver using software level 4.4 or higher. 685 software levels below 4.4 cannot support Contact ID reporting. for information regarding updating the 685 receiver, contact **Ademco's Technical Support Group at 1-800-645-7492.**

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I. Summary of Event Codes: (corrects pg. 66 of Tech. Reference Manual)

| CODE | DEFINITION |
|---|---|
| 110 | Fire Alarm |
| 121 | Duress |
| 122 | Silent Panic |
| 123 | Audible Panic |
| 131 | Perimeter Burglary |
| 132 | Interior Burglary |
| *133 | 24 HR. Auxiliary |
| 134 | Entry/Exit Burglary |
| 135 | Day/Night Burglary |
| 142 | Polling Loop Short-Alarm |
| 143 | RF Expander Failure-Alarm |
| *150 | 24 HR. Auxiliary |
| 301 | AC Loss |
| 302 | Low System Battery |
| 305 | System Reset |
| 306 | Program Tamper |
| 309 | Battery Test Fail |
| 332 | Polling Loop Short-Trouble |
| 333 | RF Expander Failure-Trouble |
| 373 - (Rev. 6 or Later) | Fire Loop Trouble |
| 380 | Trouble (Global) |
| 380 - (Rev. 6 or Later) | Sensor Trouble Day/Night Zone |
| 381 - (Rev. 6 or Later) | R.F. Sensor Trouble |
| 382 - (Rev. 6 or Later) | R.P.M. Sensor Trouble |
| 383 - (Rev. 6 or Later) | R.P.M. Sensor Tamper |
| 384 | RF Transmitter Low Battery |
| 401 | Open/Close By User |
| 403 | Power up Armed |
| 406 | Cancel By User |
| 407 | Remote Arm/Disarm (Download) |
| 408 | Quick Arm |
| 409 | Keyswitch Open/Close |
| 411 | Call Back Requested |
| 570 | Bypass |
| 601 | Manually Triggered Test |
| 602 | Periodic Test |
| 342 | No Function at this Time |
| 343 | No Function at this Time |

*Notice when a 24 Hr Auxiliary zone (zone type #8) is tripped, an XM control with software Rev. "4" or earlier will send a different event code than a Rev. "5" or later control. (4140XMP will always send E150)
Rev. 4 or earlier will send E133
Rev. 5 or later will send E150

II. Expanded Definition of Event Codes (By Code Number):

| Code | Definition |
|---|---|
| E110 | Fire Alarm |
| R110 | Fire Alarm-Restore |
| E121 | Duress |
| E122 | Silent Panic |
| R122 | Silent Panic-Restore |
| E123 | Audible Panic |
| R123 | Audible Panic-Restore |
| E131 | Perimeter Burglary |
| R131 | Perimeter Burglary-Restore |
| E132 | Interior Burglary |
| R132 | Interior Burglary-Restore |
| *E133 | 24 HR. Auxiliary Burglary |
| *R133 | 24 HR. Auxiliary Burglary-Restore |

*Pre-Revision 5 controls only (see E150 for newer controls)

| | |
|---|---|
| E134 | Entry/Exit Burglary |
| R134 | Entry/Exit Burglary-Restore |
| *E135 | Day/Night Burglary Alarm |
| *R135 | Day/Night Burglary Alarm-Restore |

*This code is sent when zone is faulted in "Armed" state. When Disarmed see E380.

| | |
|---|---|
| *E142 | Polling Loop Short-Alarm |
| *R142 | Polling Loop Short-Restore |

*This is sent when zone is tripped in the "Armed" state. (Assumes a response type of #5 issued.) see E332 for disarmed state.

| | |
|---|---|
| E143 | RF Expander Failure-Alarm |
| R143 | RF Expander Failure-Restore |
| *E150 | 24 Hr. Auxiliary Alarm |
| *R150 | 24 Hr. Auxiliary Restore |

*Applies to controls with Revision 5 or later software. (see E133 for older controls)

| | |
|---|---|
| E301 | AC Power Trouble |
| R301 | AC Power Restore |
| *E302 | Low System Battery |
| *R302 | Low System Battery-Restore |

*This code is sent only if a low battery is detected after an AC Power Loss. For a Battery test failure, see E309.

E305 - - - - - - - - - - Trouble-System Reset
E306 - - - - - - - - - - Trouble-Program Tamper
E309 - - - - - - - - - - Battery Test Failure
*E332 - - - - - - - - - - Trouble-Polling Loop Short
*R332 - - - - - - - - - - Restore-Polling Loop Short

*This code is sent in disarmed mode. (assuming type # 05 is used.) When armed see E142.

E333 - - - - - - - - - - RF Expander Failure-Trouble
R333 - - - - - - - - - - RF Expander Failure-Restore
E373 (Rev. 6 or Later) Fire Loop Trouble
R373 (Rev. 6 or Later) Fire Loop Trouble Restore
*E380 (Rev. 5 or Earlier) Trouble - Contact Trouble
*R380 (Rev. 5 or Earlier) Restore - Contact Trouble

*On Revision 5 or earlier controls, 380 applies to the following: 1) Day/Night trouble, 2) Sensor Tamper on 4190WH, 3) Fire Zone Trouble, 4) No check in on RF Transmitter, 5) R.P.M. Trouble. (does not apply to 4140XMP controls.)

*E380 (Rev. 6 or Later) Trouble - Contact Trouble
*R380 (Rev. 6 or Later) Restore - Contact Trouble

*On Revision 6 or later controls, 380 applies only to Day/Night Zone Trouble. See 373 for Fire Trouble, 381 for RF Trouble, 382 for RPM Trouble, and 383 for RPM Tamper.

E381 (Rev. 6 or Later) R.F. Sensor Trouble
R381 (Rev. 6 or Later) R.F. Sensor Trouble Restore
E382 (Rev. 6 or Later) R.P.M. Sensor Trouble
R382 (Rev. 6 or Later) R.P.M. Sensor Trouble Restore
E383 (Rev. 6 or Later) R.P.M. Sensor Tamper
R383 (Rev. 6 or Later) R.P.M. Sensor Tamper Restore
E384 - - - - - - - - - - RF Transmitter Low Battery
R384 - - - - - - - - - - RF Transmitter Low Battery Restore
E401 - - - - - - - - - - Opening by User
R401 - - - - - - - - - - Closing by User
R403 - - - - - - - - - - Power-Up Armed
E406 - - - - - - - - - - Cancel
E407 - - - - - - - - - - Opening-Remote (Download)
R407 - - - - - - - - - - Closing-Remote (Download)
R408 - - - - - - - - - - Quick Arming
E409 - - - - - - - - - - Opening-Keyswitch
R409 - - - - - - - - - - Closing-Keyswitch
E411 - - - - - - - - - - Remote Callback Requested
E570 - - - - - - - - - - Bypass
R570 - - - - - - - - - - Bypass Restore
E601 - - - - - - - - - - Manually Triggered Test
E602 - - - - - - - - - - Periodic Test

III. The following are contact ID reports listed by events (ie, Alarms, Restores, Troubles) and appear exactly as they would on a printout from a 685 receiver:

*What to expect at Central Station

| XXXX Subscriber ID # | R101 Event Code | 00 Always " 00 " | C000 Contact # or User | Printer English Language Message |
|---|---|---|---|---|

Alarms (and subsequent codes)

Entry/Exit - Type #1 & #2

Alarm = XXXX E134 00 C00Z (V) *Burg* -Entry/Exit -#00Z
Restore = XXXX R134 00 C00Z (V) Restore -Entry/Exit - #00Z

Perimeter - Type #3

Alarm = XXXX E131 00 C00Z (V) *Burg* -Perimeter -#00Z
Restore = XXXX R131 00 C00Z (V) Restore -Perimeter -#00Z

Interior - Types #4 & #10

Alarm = XXXX E132 00 C00Z (V) *Burg* -Interior -#00Z
Restore = XXXX R132 00 C00Z (V) Restore -Interior -#00Z

Day/Night - Type #5

Alarm = XXXX E135 00 C00Z (V) *Burg* -Day/Night -#00Z
(Panel Armed)

Restore = XXXX R135 00 C00Z (V) Restore -Day/Night -#00Z
(Panel Armed)

Fault = XXXX E380 00 C00Z (V) Trouble-Contact Trouble -#00Z
(Disarmed)

Restore = XXXX R380 00 C00Z (V) Restore-Contact Trouble -#00Z
(Disarmed)

24 HR. Silent - Type #6

Alarm = XXXX E122 00 C00Z (V) *panic* -Silent Panic -#00Z
Restore = XXXX R122 00 C00Z (V) Restore -Silent Panic -#00Z

24 HR. Audible - Type #7

Alarm = XXXX E123 00 C00Z (V) *Panic* -Audible Panic -#00Z
Restore = XXXX R123 00 C00Z (V) Restore -Audible Panic -#00Z

24 HR. Auxiliary - Type #8

Pre-Rev 5 Controls: (Does not apply to 4140XMP controls).

Alarm = XXXX E133 00 C00Z (V) *Alarm* -24Hr. -#00Z
Restore = XXXX R133 00 C00Z (V) Restore -24Hr. -#00Z

Rev. 5 or Higher:

Alarm = XXXX E150 00 C00Z (V) *Alarm* -24Hr. Non Burg -#00Z
Restore = XXXX R150 00 C00Z (V) Restore -24Hr. Non Burg -#00Z

Fire Alarm - Type # 9

Alarm = XXXX E110 00 C00Z (V) *Fire* -Fire Alarm -#00Z
Restore = XXXX R110 00 C00Z (V) Restore -Fire Alarm -#00Z

Duress

XXXX E121 00 C000 (V) *Panic* - Duress
(no restore sent)

* + # Panic Key

1) As Type #8 XXXX E150 00 C099 (V) *Alarm*-24Hr. Non-Burg -#099
or XXXX E133 00 C099 (V) (XM - Rev. 5 or earlier)

2) As Type #7 XXXX E123 00 C099 (V) *Panic*-Audible Panic -#099

3) As Type #6 XXXX E122 00 C099 (V) *Panic*-Silent Panic -#099

1 + * Panic Key

1) As Type #8 XXXX E150 00 C095 (V) *Alarm*-24Hr. Non-Burg -#095
or XXXX E133 00 C095 (V) (XM - Rev. 5 or earlier)

2) As Type #7 XXXX E123 00 C095 (V) *Panic*-Audible Panic -#095

3) As Type #6 XXXX E122 00 C095 (V) *Panic*-Silent Panic -#095

3 + # Panic Key

1) As Type #8 XXXX E150 00 C096 (V) *Alarm*-24Hr. Non-Burg -#096
   or XXXX E133 00 C096 (V) (XM - Rev. 5 or earlier)

2) As Type #7 XXXX E123 00 C096 (V) *Panic*-Audible Panic -#096

3) As Type #6 XXXX E122 00 C096 (V) *Panic*-Silent Panic -#096

(No Restore Sent)

Polling Loop Short - Armed as Type #05 Day/Night

Short Armed) = XXXX E142 00 C097 (V) *Alarm*-Polling Loop short

Restore (Armed) = XXXX R142 00 C097 (V) Restore-Polling Loop Short

Short (Disarm) = XXXX E332 00 C097 (V) Trouble-Polling Loop Short

Restore (Disarm) = XXXX R332 00 C097 (V) Restore-Polling Loop Short

## Opening/Closing

Quick Arming

XXXX R408 00 U000 (V) Closing - Quick Arm

Opening Any User code

XXXX E401 00 U022 (V) Opening - User #022

| User | User |
|---|---|
| 1-22 | 1-22 |

Closing - Any User Code

XXXX R401 U022 (V) Closing - User #022

Remote Arming/Disarming

Arm - XXXX R407 00 U000 (V) Closing - Remote
Disarm - XXXX E407 00 U000 (V) Opening - Remote

*Opening/Closing User #7 must be enabled to get this report.

Power-Up Armed (Address # 28)

XXXX R403 00 U000 (V) Closing - Automatic (*see below)

Keyswitch Arm

XXXX R409 00 U000 (V) Closing - Keyswitch (*see below)

Keyswitch Disarm

XXXX E409 00 U000 (V) Opening Keyswitch

*Open/Closing for user #7 must be enabled to get this report.

## Bypass

Bypass Zone

XXXX E570 00 00Z (V) Bypass - Zone Bypass - #00Z

Restore Bypass (Code + Off)

XXXX R570 00 C00Z (V) Restore - Zone Bypass - #00Z

## Troubles

AC Power Loss

Loss - XXXX E301 00 C000 (V) Trouble - AC Power
Restore - XXXX R301 00 C000 (V) Restore - AC Power

Low Battery: On System (Approximately 11.2 Volts)

If Low Battery - XXXX E302 00 C000 (V) Trouble-Low System Battery after AC Loss.

Restore - XXXX R302 00 C000 (V) Restore - Low System Battery

If Low Battery - XXXX E309 00 C000 (V) Trouble-Battery Test Failure During Test Cycle *(Does not send Restore)

Low Battery: On RF Sensor

Low Battery - XXXX E384 00 C00Z (V) Trouble-RF Sensor Battery -#00Z

Restore - XXXX R384 00 C00Z (V) Restore-RF Sensor Battery -#00Z
(*Restoral sent after code + "off" sequence)

R.P.M. Sensor Tamper: 4190WH

*Fault - XXXX E380 00 C00Z (V) Trouble - Contact Trouble - #00Z

*Restore - XXXX R380 00 C00Z (V) Restore - Contact Trouble - #00Z
** On Pre-Rev 6 control (Does not apply to 4140XMP control)

**Fault - XXXX E383 00 C00Z (V) Trouble-Sensor Tamper-#00Z
**Restore - XXXX R383 00 C00Z (V) Restore-Sensor Tamper-#00Z
** On Rev. 6 and Higher Controls

R.P.M. Sensor Trouble

*Trouble - XXXX E380 00 C00Z (V) Trouble - Contact Trouble -#00Z

*Restore - XXXX R380 00 C00Z (V) Restore - Contact Trouble -#00Z
** On Pre Rev. 6 Controls (Does not apply to 4140XMP control

**Trouble - XXXX E382 00 C00Z (V) Trouble-R.P.M. Sensor Super-#00Z

**Restore - XXXX R382 00 X00Z (V) Restore-R.P.M. Sensor Super-#00Z
** Rev. 6 or Higher Controls

Fire Zone Trouble

*Fault - XXXX E380 00 C00Z (V) Trouble-Contact Trouble-#00Z

*Restore - XXXX R380 00 C00Z (V) Restore-Contact Trouble-#00Z
*On Pre Rev. 6 controls (does not apply to 4140XMP control)

**Fault - XXXX E373 00 C00Z (V) Trouble -Fire Loop - #00Z
**Restore - XXXX R373 00 C00Z (V) Restore -Fire Loop _ #00Z
** On Rev. 6 or Higher controls

4280 (8) RF Expander: Armed as Type #8 or #5 *108-109

A) Cover Off-XXXX E333 00 C091 (V) Trouble-Exp. Module Fail-#091 Disarmed

B) Cover On-XXXX R333 00 C091 (V) Restore-Exp. Module Fail-#091 Disarmed

A) Cover Off-XXXX E143 00 C091 (V) *Alarm*-Exp. Module Fail-#091 Armed

B) Cover On-XXXX R143 00 C091 (V0 Restore-Exp. Module Fail -#091 Armed

C) Not Receiving-XXXX E333 00 C090(V) Trouble-Exp. Module Fail #090
Signals - Disarmed
Restore-XXXX R333 00 C090(V) Restore-Exp. Module Fail #090
(As soon as transmitter is seen)

D) Not Receiving-XXXX E143 00 C090(V) *Alarm*-Exp. Module Fail #090
Signal Armed
Restore-XXXX R143 00 C090(V) Restore-Exp. Module Fail #090

RF Transmitters

* No Check In-XXXX E380 00 C00Z (V) Trouble-Contact Trouble -#00Z
(Disarmed/Armed)
*Restore-XXXX R380 00 C00Z (V) Restore-Contact Trouble -#00Z
(Disarmed/Armed)
*On Pre-Rev. 6 controls (does not apply to 4140XMP)

**No Check In-XXXX E381 00 C00Z (V) Trouble-RF Sensor Super-#00Z
(Disarmed/Armed)
**Restore-XXXX R381 00 C00Z (V) Restore-RF Sensor Super-#00Z
(Disarmed/Armed)
**Rev. 6 or Higher Controls

Restore is sent as soon as a signal is seen by 4280.

## Test

Manual Test: Code + "Test"

XXXX E601 00 C000 (V) Test - Manually Triggered

Periodic Test By Panel: Automatic

XXXX E602 00 C000 (V) Test - Periodic

## Power-Up
(*68 or *81)

XXXX E305 00 C000 (V) Trouble-System Reset

*Power up is sent to central station after the following:

1) Download a "system-on" after a "system-shutdown"
2) After local programming (not sent after download programming)
3) After a complete power-down and power-up

## Program Tamper
(*40)

XXXX E306 00 C000 (V) Trouble-Programming Changed

*Program tamper is sent for the following:
1) Download a "System On"
2) Download a program change
3) Do a local program change

Not Sent:

1) If you call panel with PC and hang up before it is on line
2) Uploads, read status, arm, disarm, etc.
3) Not sent if you enter local program mode and make no changes

## Callback Requested

XXXX E411 00 C000 (V) Remote-Callback Requested

*Callback requested is sent to central station after doing site and station initiated PC downloading, uploading, etc.

*The only time it will not be sent is after a "System On" or "Dialer Off" function.

Note: On XM controls callback requested is only sent if "open" in address *68 has a "1" in it. Users in address 39, 52, 100 do not have to be enabled.

## Cancel

XXXX E406 00 C00Z (V) Opening-Closing-User #00Z

1) Must be enabled in address *68 (XM) and *81 XMP)
2) Cancels are not sent for 24Hr. zones, panic keys.
3) If sending opening/closing also - panel will send both cancel report & opening report.